

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5383041" or "6489952").pn.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:13
L2	151	(345/87-107 or 345/205-206).ccls. and offset.clm. and "liquid crystal".clm.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:22
L3	46	((TOSHIKI) near2 (YOSHIHARA)).INV.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:23
L4	49	((TETSUYA) near2 (MAKINO)).INV.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:23
L5	27	((HIRONORI) near2 (SHIROTO)).INV.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:24
L6	21	((YOSHINORI) near2 (KIYOTA)).INV.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:24
L7	8	(I3 or I4 or I5 or I6) and offset	US-PGPUB; USPAT	OR	ON	2006/12/20 18:25
S1	1	"6489952".pn.	US-PGPUB; USPAT	OR	ON	2004/09/15 20:16
S2	44	"spontaneous polarization" and "common electrode" and offset	US-PGPUB; USPAT	OR	ON	2006/05/15 14:54
S3	7	"spontaneous polarization".clm. and "thin film transistors".clm. and material.clm.	US-PGPUB; USPAT	OR	ON	2005/04/03 17:37
S4	1	"09/824,436"	US-PGPUB; USPAT	OR	ON	2004/09/14 20:19
S5	46	"spontaneous polarization" and "common electrode" and offset	US-PGPUB; USPAT	OR	ON	2005/04/03 17:38
S6	7	"spontaneous polarization".clm. and "thin film transistors".clm. and material.clm.	US-PGPUB; USPAT	OR	ON	2005/04/03 17:39
S7	889	345/87-100.ccls. and offset	US-PGPUB; USPAT	OR	ON	2005/04/03 17:38
S8	80	345/87-100.ccls. and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:11
S9	176	345/87-100.ccls. and offset.clm.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:41
S10	13	"spontaneous polarization" and offset.ab.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:41
S11	193	345/87-100.ccls. and offset.clm.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:41
S12	13	"spontaneous polarization" and offset.ab.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:42
S13	200	"spontaneous polarization" and "liquid crystal display" and offset	US-PGPUB; USPAT	OR	ON	2006/12/12 16:06

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S14	73	"spontaneous polarization" and "liquid crystal display" and offset and "345"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:43
S15	5	"spontaneous polarization" and "liquid crystal display" and offset.clm. and "345"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/08 19:49
S16	5	"spontaneous polarization" and "liquid crystal display" and offset.clm. and "345"/\$.ccls. and offset	US-PGPUB; USPAT	OR	ON	2005/12/08 19:49
S18	7	("20010011979" "5436742" "5724057" "5793345" "6163360" "6344842" "6489952").PN.	US-PGPUB; USPAT	OR	ON	2006/05/15 16:22
S19	8	("yoshihara, toshiaki".in. or "makino, tetsuya".in. or "shiroto, hironori".in. or "kiyota, yoshinori".in.) and offset	US-PGPUB; USPAT	OR	ON	2006/05/15 16:24
S20	5	("yoshihara, toshiaki".in. or "makino, tetsuya".in. or "shiroto, hironori".in. or "kiyota, yoshinori".in.) and offset and "liquid crystal".clm.	US-PGPUB; USPAT	OR	ON	2006/05/15 16:25
S21	7253	(345/87-101 or 345/205).ccls.	US-PGPUB; USPAT	OR	ON	2006/05/15 16:25
S22	1076	(345/87-101 or 345/205).ccls. and offset	US-PGPUB; USPAT	OR	ON	2006/05/15 16:25
S23	207	(345/87-101 or 345/205).ccls. and offset.clm.	US-PGPUB; USPAT	OR	ON	2006/05/15 16:25
S24	134	(345/87-101 or 345/205).ccls. and offset.clm. and "liquid crystal".clm.	US-PGPUB; USPAT	OR	ON	2006/05/15 16:26
S25	144	(345/87-107 or 345/205).ccls. and offset.clm. and "liquid crystal".clm.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:08
S26	21	eastland.in.	US-PGPUB; USPAT	OR	ON	2006/05/18 18:30
S27	1	"6674429".pn.	US-PGPUB; USPAT	OR	ON	2006/05/19 17:23
S28	2	("6414665" or "6522319").pn.	US-PGPUB; USPAT	OR	ON	2006/05/19 17:24
S29	1451	(ferroelectric or antiferroelectric or "spontaneous polarization") and "liquid crystal" and offset	US-PGPUB; USPAT	OR	ON	2006/12/12 18:06
S30	43	(ferroelectric or antiferroelectric or "spontaneous polarization") and "liquid crystal" and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:08
S31	100	345/87-100.ccls. and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:22
S32	0	345/894.ccls. and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:22

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S33	4	345/84.ccls. and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:22
S34	7	345/94.ccls. and offset.ab.	US-PGPUB; USPAT	OR	ON	2006/12/12 16:37
S35	7	345/94.ccls. and offset.ab. and offset	US-PGPUB; USPAT	OR	ON	2006/12/12 17:36
S36	9	345/94.ccls. and (offset with common)	US-PGPUB; USPAT	OR	ON	2006/12/12 17:48
S37	109	345/87-100.ccls. and (offset with common)	US-PGPUB; USPAT	OR	ON	2006/12/12 17:48
S38	140	(ferroelectric or antiferroelectric or "spontaneous polarization") and (offset with common)	US-PGPUB; USPAT	OR	ON	2006/12/12 18:11
S39	49	(ferroelectric or antiferroelectric or "spontaneous polarization") and (offset adj5 common)	US-PGPUB; USPAT	OR	ON	2006/12/13 12:29
S40	4	345/97.ccls. and (offset with common)	US-PGPUB; USPAT	OR	ON	2006/12/12 18:18
S41	5	345/97.ccls. and (offset same common)	US-PGPUB; USPAT	OR	ON	2006/12/12 18:18
S42	1	S41 not S40	US-PGPUB; USPAT	OR	ON	2006/12/12 18:18
S43	1	11/071537	US-PGPUB; USPAT	OR	ON	2006/12/13 11:23
S44	1	"6665019".pn.	US-PGPUB; USPAT	OR	ON	2006/12/13 11:23
S45	84	(ferroelectric or antiferroelectric or "spontaneous polarization" or 345/97.ccls.) and (offset near5 common)	US-PGPUB; USPAT	OR	ON	2006/12/13 12:38
S46	71	345/87-100.ccls. and (offset near5 common)	US-PGPUB; USPAT	OR	ON	2006/12/13 12:49
S47	0	("signal application") same (offset near5 common)	US-PGPUB; USPAT	OR	ON	2006/12/13 12:49
S48	40	(signal with application) same (offset near5 common)	US-PGPUB; USPAT	OR	ON	2006/12/13 12:55
S49	155	((signal with application) with (offset ) and pixel	US-PGPUB; USPAT	OR	ON	2006/12/13 12:56
S50	35	((signal with application) with (offset ) and pixel and "liquid crystal"	US-PGPUB; USPAT	OR	ON	2006/12/13 15:39
S51	30	"5383041".uref.	US-PGPUB; USPAT	OR	ON	2006/12/13 15:41
S52	5	"5383041".uref. and offset	US-PGPUB; USPAT	OR	ON	2006/12/13 16:57
S53	1	"5383041".pn.	US-PGPUB; USPAT	OR	ON	2006/12/14 18:22

## EAST Search History

S54	1	"5383041".pn. and (substrate or layer or sealed or surface)	US-PGPUB; USPAT	OR	ON	2006/12/14 18:36
S55	1	"5383041".pn. and (substrate or layer or sealed or surface or electrode)	US-PGPUB; USPAT	OR	ON	2006/12/14 18:36
S56	150	(345/87-107 or 345/205).ccls. and offset.clm. and "liquid crystal".clm.	US-PGPUB; USPAT	OR	ON	2006/12/20 18:21
S57	226	(345/87-107 or 345/205).ccls. and offset.clm. and "liquid crystal"	US-PGPUB; USPAT	OR	ON	2006/12/20 18:11
S58	1266	(345/87-107 or 345/205).ccls. and offset and "liquid crystal"	US-PGPUB; USPAT	OR	ON	2006/12/20 18:11